*eTable 1: Detailed description of the measures derived from scales*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Measures** | **Score or Index** | **Mean (SD)** | **Cronbach’s alpha** | **Min** | **Max** | **Sources** |
| RAS | Score | 86.2 (14.3) | NA | 24 | 120 | Girard *et al.,* 2017 |
| PCAH | Score | 32.3 (6.1) | 0.80 | 9 | 45 |
| WAFH | Score | 10.6 (3.1) | 0.87 | 3 | 15 |
| GOSU | Score | 19.8 (3.7) | 0.81 | 5 | 25 |
| RELON | Score | 14.2 (3.7) | 0.79 | 4 | 20 |
| NDSYM | Score | 9.3 (3.1) | 0.80 | 3 | 15 |
| MCSI | Score | NA | 0.90 | 14 | 70 | Conrad *et al.,* 2001 |
| PCS | Score | NA | 0.79 to 0.95 | 0 | 100 | Ware & Sherbourne, 1922Leplège *et al.,* 1995 |
| MCS | Score | NA | 0 | 100 |
| SQOL | Index | 56.4 (18.8) | 0.88 | 0 | 100 | Boyer et al 2010 |
| PsW | Score | 61.5 (29.3) | 0.73 | 0 | 100 |
| SE | Score | 58.5 (29.2) | 0.74 | 0 | 100 |
| RFa | Score | 63.5 (29.8) | 0.81 | 0 | 100 |
| RFr | Score | 48.5 (30.8) | 0.73 | 0 | 100 |
| RE | Score | 60.8 (26.3) | 0.74 | 0 | 100 |
| PhW | Score | 51.6 (26.4) | 0.79 | 0 | 100 |
| AU | Score | 61.0 (28.4) | 0.84 | 0 | 100 |
| SL | Score | 42.0 (31.0) | 0.72 | 0 | 100 |

NA: not applicable; SD: Standard deviation. HF: Housing First; TAU: treatment as usual; RAS: Recovery assessment scale; RAS dimensions: PCAH : Personal Confidence and Hope; WAFH : Willingness to Ask for Help; GOSU : Goal and Success Orientation; RELON : Reliance on Others; NDSYM : Not Dominated by Symptoms; MCSI: Modified Colorado symptom index; MARS: Medication Adherence Rating Scale; PCS: Physical composite score; MCS: Mental composite score; S-QoL: Schizophrenia Quality of Life Questionnaire; S-QoL dimensions: PsW: psychological well-being; SE: self-esteem; RFa: family relationships; RFr: relationships with friends; RE: resilience; PhW: physical well-being; AU: autonomy; and SL: sentimental life

*eTable 2. Comparison of baseline characteristics between HF and TAU groups having been interviewed at M48 versus those not interviewed at M48*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variables |  | M48 not done(N = 540)m[sd] / N(%) | M48 done(N = 163)m[sd] / N(%) | p value |
| Group | HF | 254 (47.04) | 99 (60.74) | **0.002** |
|  | TAU | 286 (52.96) | 64 (39.26) |  |
| Diagnostic | Schizophrenia | 370 (68.52) | 117 (71.78) | 0.429 |
|  | Bipolar disorder | 170 (31.48) | 46 (28.22) |  |
| Site | Lille | 152 (28.15) | 33 (20.25) | **< 0.001** |
|  | Marseille | 127 (23.52) | 72 (44.17) |  |
|  | Paris | 89 (16.48) | 30 (18.4) |  |
|  | Toulouse  | 172 (31.85) | 28 (17.18) |  |
| Gender | Men | 451 (83.52) | 129 (79.14) | 0.197 |
|  | Women | 89 (16.48) | 34 (20.86) |  |
| Age | 38.59 [9.88] | 39.34 [10.33] | 0.409 |
| Age when first homeless | 24.93 [10.91] | 25.24 [11.24] | 0.774 |
| Lifetime duration of homelessness, months | 100.60 [90.32] | 111.24 [105.82] | 0.264 |
| Number of days spent homeless \*\* | 53.80 [68.63] | 54.17 [68.17] | 0.952 |
| Number of days spent in independent housing \*\* | 6.99 [28.14] | 6.70 [27.31] | 0.909 |
| Number of days spent in transitional accommodations\*\* | 11.51 [36.92] | 6.68 [26.74] | 0.073 |
| Number of days spent in long-term residential structures \*\* | 0.83 [8.04] | 2.77 [18.52] | 0.198 |
| Number of days spent in rmedical and residential structures \*\* | 2.17 [13.08] | 3.35 [17.68] | 0.437 |
| Number of days spent at hospital \*\* | 18.40 [35.37] | 14.41 [29.30] | 0.155 |
| Number of days spent in prison \*\* | 13.56 [41.89] | 7.75 [30.82] | 0.059 |
| RAS Index | 64.14 [15.65] | 61.53 [15.77] | 0.067 |
| S-QoL | 48.35 [16.89] | 44.87 [18.88] | 0.050 |
| MCSI | 20.93 [11.28] | 22.71 [12.06] | 0.100 |
| Score\_AUDIT | 11.83 [12.20] | 10.81 [11.55] | 0.547 |
| Substances dependance  | No | 285 (53.47) | 88 (54.32) | 0.849 |
|  | Yes | 248 (46.53) | 74 (45.68) |  |

*\*\*over the last 6 months*

RAS: Recovery assessment scale; MCSI: Modified Colorado symptom index; SF-36: Medical Outcomes Study 36-item Short Form Health Survey; PCS: Physical composite score; MCS: Mental composite score; S-QoL: Subjective Quality of Life Questionnaire; AUDIT: Alcohol Use Disorders Identification Test.

*eTable 3.Comparison and evolution of measures between the two groups, M6 to M48.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Measures** | **M6** | **M12** | **M18** |
| **HF (N=282)** | **TAU (N=225)** |  | **HF (N=265)** | **TAU (N=225)** |  | **HF (N=244)** | **TAU (N=169)** |  |
| **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** | **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** | **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** |
| RAS | **66.25 [14.75]** | **61.37 [18.71]** | **\*** | 66.74 [15.57] | 63.94 [18.78] |  | 66.12 [15.23] | 65.59 [16.71] |  |
| Personal Confidence and Hope | **67.90 [16.39]** | **63.08 [18.77]** | **\*** | 68.45 [17.96] | 65.10 [19.74] |  | 67.91 [16.75] | 68.35 [16.15] |  |
| Willingness to Ask for Help | 63.71 [26.41] | 60.22 [27.41] |  | 64.09 [23.72] | 62.60 [25.74] |  | 65.27 [24.04] | 61.50 [26.40] |  |
| Goal and Success Orientation | **76.34 [18.31]** | **72.12 [19.71]** | **\*** | 75.22 [18.88] | 75.00 [18.77] |  | 73.84 [20.98] | 75.52 [17.84] |  |
| Reliance on Others | **70.24 [20.79]** | **60.02 [26.25]** | **\*** | **69.89 [20.91]** | **64.10 [24.20]** | **\*** | 69.19 [20.85] | 65.61 [22.36] |  |
| Not Dominated by Symptoms | 53.24 [28.53] | 54.47 [26.70] |  | 57.10 [27.29] | 54.71 [27.31] |  | 55.92 [26.73] | 58.45 [26.55] |  |
| Number of days spent in independent housing \*\* | **126.54 [56.24]** | **15.2 [38.98]** | **\*** | **144.11 [56.52]** | **34.40 [65.51]** | **\*** | **146.58 [55.26]** | **41.45 [70.17]** | **\*** |
| Number of days spent at hospital \*\* | **10.43 [26.35]** | **24.76 [47.03]** | **\*** | **8.89 [24.6]** | **16.75 [38.42]** | **\*** | **9.46 [28.28]** | **20.97 [48.96]** | **\*** |
| Number of emergency department visits \*\* | 0.52 [0.95] | 0.71 [1.69] |  | 0.65 [1.39] | 0.69 [1.47] |  | 0.57 [1.66] | 0.42 [0.92] |  |
| S-QOL |  |  |  |  |  |  |  |  |  |
| family relationships | **44.22 [30.97]** | **37.08 [31.16]** | **\*** | 43.67 [31.32] | 38.92 [33.68] |  | 44.31 [31.17] | 40.12 [32.58] |  |
| relationships with friends | **50.52 [29.37]** | **42.66 [28.47]** | **\*** | 49.73 [28.58] | 47.48 [30.22] |  | 50.42 [29.36] | 46.22 [29.45] |  |
| resilience | 58.69 [22.89] | 55.16 [25.41] |  | 60.53 [23.39] | 57.26 [26.10] |  | 61.46 [23.44] | 58.58 [25.2] |  |
| physical well-being | 52.59 [26.13] | 47.57 [27.75] |  | 54.13 [26.96] | 50.74 [28.20] |  | 54.67 [25.07] | 52.60 [25.47] |  |
| autonomy | **64.97 [23.71]** | **57.23 [28.89]** | **\*** | **66.2 [22.74]** | **59.39 [27.43]** | **\*** | **69.65 [18.41]** | **61.20 [27.53]** | **\*** |
| sentimental life | 40.02 [28.46] | 37.43 [28.76] |  | 39.47 [30.19] | 34.59 [29.35] |  | **44.05 [30.47]** | **37.16 [30.48]** | **\*** |
| MCS-SF36 | 39.39 [11.41] | 37.96 [12.56] |  | 40.83 [11.44] | 39.43 [11.54] |  | 40.44 [11.11] | 42.45 [10.82] |  |
| PCS-SF36 | 51.06 [10.27] | 49.79 [10.93] |  | 50.03 [10.08] | 49.98 [10.23] |  | 51.37 [9.28] | 49.82 [9.47] |  |
| MCSI | 19.12 [14.13] | 21.5 [14.67] |  | **15.75 [10.67]** | **19.03 [12.71]** | **\*** | 15.14 [10.76] | 15.72 [11.85] |  |
| Score AUDIT | - | - |  | 11.99 [11.71] | 10.17 [10.54] |  | - | - |  |
| Substances dependance  | No | - | - |  | **149 (60.08)** | **156 (72.56)** | **\*** | - | - |  |
|  | Yes | - | - |  | **99 (39.92)** | **59 (27.44)** |  | - | - |  |

*\*p value < 0.05; \*\*over the last 6 months*

*eTable 3.Comparison and evolution of measures between the two group, M6 to M48 (Suite)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Measures** | **M24** | **M36** | **M48** |  |
| **HF (N=255)** | **TAU (N=197)** |  | **HF (N=141)** | **TAU (N=88)** |  | **HF (N=98)** | **TAU (N=54)** |  |
| **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** | **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** | **m[sd] / N(%)** | **m[sd] / N(%)** | ***p*** |
| RAS Index | 69.44 [14.85] | 67.49 [17.25] |  | 67.92 [15.47] | 71.47 [13.27] |  | 70.47 [15.96] | 71.72 [13.91] |  |
| Personal Confidence and Hope | 68.85 [16.84] | 68.58 [19.48] |  | 68.09 [17.00] | 71.09 [14.99] |  | 70.68 [16.94] | 73.41 [14.28] |  |
| Willingness to Ask for Help | 70.73 [21.75] | 67.18 [24.37] |  | 69.51 [23.27] | 73.21 [19.66] |  | 74.44 [20.62] | 75.44 [22.64] |  |
| Goal and Success Orientation | 77.33 [18.75] | 77.15 [17.46] |  | 74.27 [20.35] | 77.17 [15.08] |  | 76.56 [21.6] | 79.10 [18.94] |  |
| Reliance on Others | 70.47 [19.49] | 67.10 [22.37] |  | 73.42 [19.69] | 71.84 [21.46] |  | 69.42 [21.81] | 70.83 [20.93] |  |
| Not Dominated by Symptoms | 60.52 [25.77] | 60.05 [26.13] |  | **55.26 [25.56]** | **64.11 [23.41]** | **\*** | 62.81 [27.3] | 61.33 [28.71] |  |
| Number of days spent in independent housing \*\* | **142.09 [61.44]** | **46.91 [75.02]** | **\*** | **152.82 [55.86]** | **62.14 [81.91]** | **\*** | **147.08 [67.49]** | **61.50 [84.06]** | **\*** |
| Number of days spent at hospital \*\* | **8.67 [24.20]** | **18.84 [47.65]** | **\*** | 4.77 [16.13] | 12.06 [41.41] |  | 5.87 [18.98] | 5.30 [27.15] |  |
| Number of emergency department visits \*\* | 0.48 [1.03] | 0.54 [1.37] |  | 4.62 [9.34] | 2.33 [1.72] |  | 3.79 [4.93] | 3.40 [3.71] |  |
| S-QoL | 54.70 [15.88] | 53.27 [18.62] |  | 54.07 [15.68] | 54.02 [15.81] |  | 55.90 [15.99] | 58.07 [10.23] |  |
| psychological well-being | 70.97 [24.49] | 67.62 [28.63] |  | **60.65 [25.36]** | **68.24 [20.69]** | **\*** | **63.47 [24.86]** | **73.98 [21.49]** | **\*** |
| self-esteem | 57.62 [23.98] | 58.11 [23.70] |  | 57.92 [24.91] | 57.29 [23.14] |  | **54.35 [23.77]** | **63.64 [17.06]** | \* |
| family relationships | 44.24 [31.83] | 42.42 [33.61] |  | 45.69 [33.10] | 48.92 [33.32] |  | 46.52 [32.15] | 49.49 [30.19] |  |
| relationships with friends | 49.36 [28.50] | 46.40 [29.53] |  | 48.26 [29.00] | 45.73 [30.48] |  | 50.61 [27.70] | 53.13 [28.64] |  |
| resilience | 59.33 [23.55] | 59.98 [24.18] |  | 61.73 [23.73] | 63.00 [18.44] |  | 59.42 [23.31] | 63.11 [14.64] |  |
| physical well-being | 53.21 [25.48] | 54.61 [26.04] |  | 52.54 [26.78] | 53.57 [24.89] |  | 55.06 [25.75] | 58.64 [18.92] |  |
| autonomy | **68.55 [19.78]** | **62.87 [26.31]** | **\*** | **67.69 [21.04]** | **59.38 [24.76]** | **\*** | 65.31 [20.45] | 66.36 [17.16] |  |
| sentimental life | 37.84 [29.26] | 39.22 [30.89] |  | 43.33 [30.05] | 37.97 [29.60] |  | **46.34 [26.53]** | **35.54 [27.31]** | \* |
| MCS-SF36 | **40.55 [11.20]** | **43.36 [10.91]** | **\*** | - | - |  | 41.42 [9.81] | 46.01 [8.67] |  |
| PCS-SF36 | 50.75 [9.91] | 50.45 [9.25] |  | - | - |  | **49.44 [7.86]** | **53.65 [6.48]** | \* |
| MCSI | 15.48 [10.83] | 16.10 [14.06] |  | 15.18 [10.38] | 13.13 [9.98] |  | 15.28 [10.55] | 13.68 [10.83] |  |
| Score AUDIT | **13.09 [11.63]** | **9.80 [10.14]** | **\*** | **12.93 [9.51]** | **8.06 [7.16]** | **\*** | 11.74 [10.17] | 9.84 [9.89] |  |
| Substances dependance  | No | 149 (67.12) | 132 (75.86) |  | **73 (58.87)** | **56 (74.67)** | **\*** | 55 (63.95) | 43 (78.18) |  |
|  | Yes | 73 (32.88) | 42 (24.14) |  | **51 (41.13)** | **19 (25.33)** |  | 31 (36.05) | 12 (21.82) |  |

*\*p value < 0.05; \*\*over the last 6 months*

RAS: Recovery assessment scale; MCSI: Modified Colorado symptom index; SF-36: Medical Outcomes Study 36-item Short Form Health Survey; PCS: Physical composite score; MCS: Mental composite score; S-QoL: Subjective Quality of Life Questionnaire; AUDIT: Alcohol Use Disorders Identification Test.